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International Standard



5229

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Rotary drilling equipment — Rotary tables

Équipement pour forage rotatif — Tables de rotation

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 5229 was developed by Technical Committee ISO/TC 67, *Materials and equipment for petroleum and natural gas industries*, and was circulated to the member bodies in November 1980.

It has been approved by the member bodies of the following countries :

Australia	Germany, F. R.	Netherlands
Austria	India	Poland
Brazil	Ireland	Romania
China	Italy	United Kingdom
Czechoslovakia	Japan	USA
Egypt, Arab Rep. of	Korea, Rep. of	USSR
France	Mexico	

No member body expressed disapproval of the document.

Rotary drilling equipment — Rotary tables

1 Scope and field of application

1.1 This International Standard specifies the dimensions of those items of the rotary table which enable the transmission of the rotational motion to the drilling stem.

1.2 The rotary table is designed for suspending various strings used during rig operations, such as drill stem, casing and tubing strings.

2 Terminology

2.1 Rotary table

F : Table de rotation

2.2 Master bushing

F : Fourrure en deux parties

2.3 Kelly drive bushing

F : Dispositif d'entraînement

2.4 Rotary table pinion-shaft extension

F : Rallonge de l'arbre-pignon de la table de rotation

2.5 Rotary table sprocket

F : Roue dentée de la table de rotation

3 Form, sizes and dimensions

3.1 The rotary table is shown in figures 1 and 2 and its dimensions are given in table 1.

The distance Y between the centre of the rotary table and the centre of the first row of sprocket teeth (see figure 1) shall be 1 353 mm (53 1/4 in) for tables allowing a 508 mm (20 in) bit, or

larger, to pass and shall be 1 118 mm (44 in) for tables not allowing a 508 mm (20 in) bit to pass.

By agreement between the manufacturer and the purchaser, the distance of 1 353 mm (53 1/4 in) may be used on tables not allowing a 508 mm (20 in) bit to pass. The distance Y shall be 1 651 mm (65 in) for the 1 257,3 mm (49 1/2) rotary table opening.

Dimensions in millimetres
(Inch dimensions in parentheses)

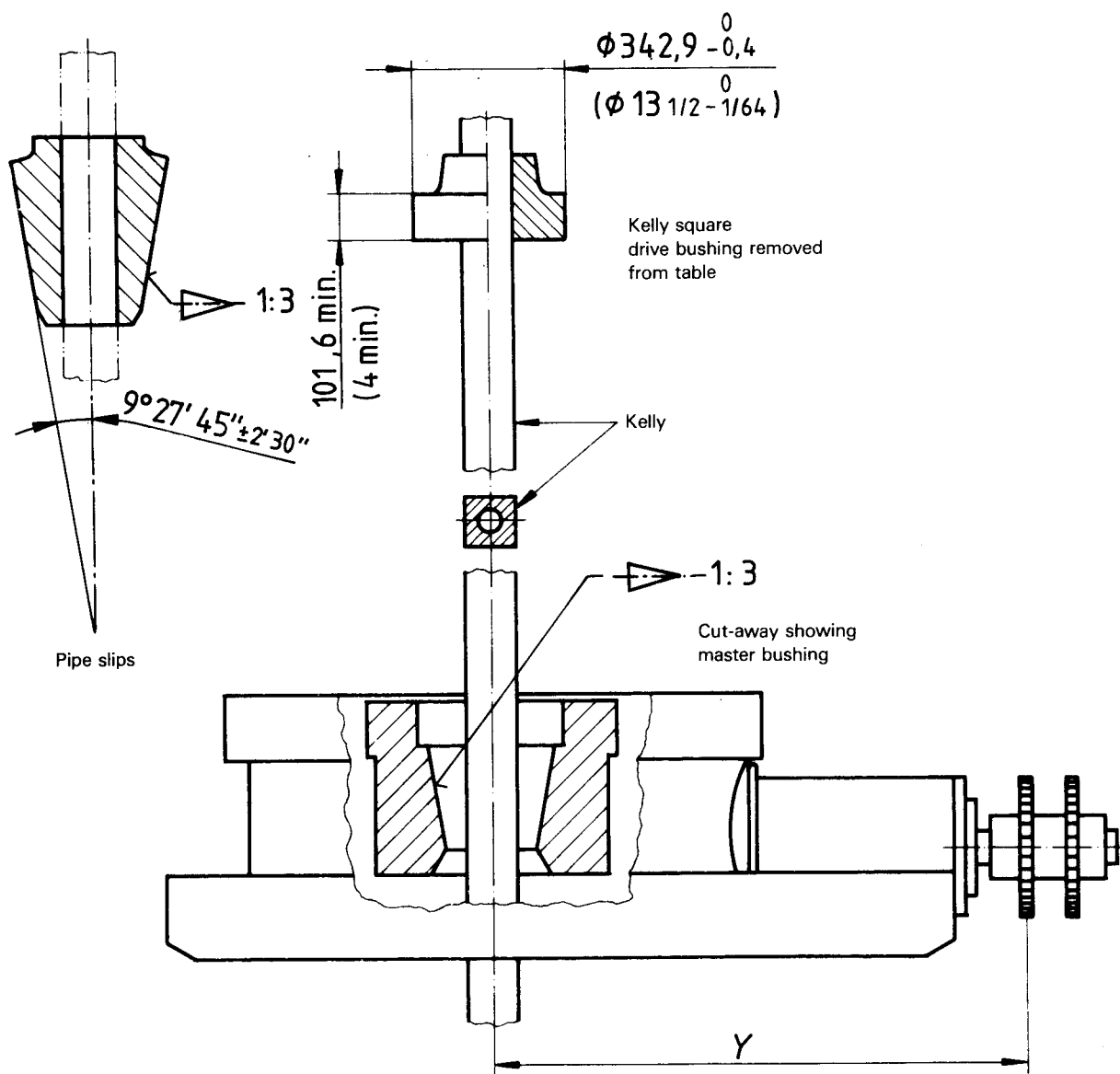


Figure 1 — Rotary table with square kelly bushings